Ex Parte Declaration of Lee L. Selwyn FCC WC Docket No. 02-112, CC Docket No. 00-175 June 8, 2004 Page 32 of 35

#### APPENDIX

#### DRAFT IMPUTATION RULE

#### 1. Applicability of Section 32.27 to integrated local/long distance operations

- (a) Whenever a dominant provider of local exchange service that also provides long distance services has elected to offer long distance services through a separate affiliate, those transactions shall be subject to Section 32.27 of the Commission's rules.
- (b) Whenever a dominant provider of local exchange service that also provides long distance services has elected to operate on an integrated basis, rather than providing its long distance services through a separate affiliate, then, for purposes of imputing costs to that provider's long distance services, the requirements of section 32.27 of the Commission's rules shall apply as though the long distance services were being provided through an affiliate.
- (c) In no event shall the retail price of any long distance service being furnished by a dominant provider of local exchange service that also provides long distance services be set less than the sum of items 2(b)(1) through 2(b)(5) and 2(c) below, plus any incremental network or other costs required for the provision of long distance service.

#### 2. Imputation cost standard applicable to each category of cost

- (a) For purposes of imputation, a distinction is made among three types of costs "direct costs," "joint costs," and "common overhead costs."
  - (1) "Direct costs" are incurred for the production of a specific product or service and are avoided in their entirety if such service is not provided. "Direct costs" may include both fixed components as well as variable components that increase (although not necessarily in direct proportion to) the quantity of the product or service that is being produced.
  - (2) "Joint costs" are incurred for the production of two or more products or services and not avoided as long as at least one such product or service continues to be produced.
  - (3) "Common overhead costs" relate to functions of a general business nature not specifically associated with any product or group of products. "Common overhead costs"



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may include both fixed components as well as variable components that increase (although not necessarily in direct proportion to) the overall scale of the enterprise.

Direct costs and Joint costs shall be imputed into the price of long distance services furnished by a dominant provider of local exchange service in accordance with 2(b) following; Common Overhead costs shall be imputed into the price of long distance services furnished by a dominant provider of local exchange service in accordance with 2(c) following.

- (b) For purposes of imputation for any long distance service furnished by a dominant provider of local exchange service that also provides long distance services, the following shall apply:
  - (1) Access services. For purposes of imputation, the tariff prices of all switched and special access services that would ordinarily be utilized by a section 272(a) affiliate or by a non-affiliated provider of interexchange services shall be utilized, whether or not such services are actually being utilized by the integrated provider in the specific network architecture applicable to an integrated dominant provider of local exchange service that also provides long distance services.
  - (2) Non-access tariff services. For purposes of imputation, the tariff prices applicable to all non-access local exchange services that would ordinarily be utilized by a section 272(a) affiliate or by a nonaffiliated provider of interexchange services shall be utilized, whether or not such services are actually being utilized by the integrated provider in the specific network architecture applicable to an integrated dominant provider of local exchange service that also provides long distance services.
  - (3) Non-tariff services or functionality satisfying the Prevailing Company Pricing threshold set out at 47 CFR 32.27(d). For purposes of imputation, the prevailing company prices applicable to all non-tariff services of a type or providing a functionality that would be offered to and, in some cases, utilized by a section 272(a) affiliate or by a nonaffiliated provider of interexchange services, where the level of utilization by nonaffiliated entities is sufficient to satisfy the Prevailing Company Pricing threshold set out at 47 CFR 32.27(d), the Prevailing Company Price as it would be set in accordance with 47 CFR 32.27(d) shall be utilized, whether or not the precise manner in which the integrated provider furnishes such functionality to itself is the same as that which is being offered to nonaffiliated entities.
  - (4) Non-tariff services, functionality, information or the beneficial transfer of assets not satisfying the Prevailing Company Pricing threshold set out at 47 CFR 32.27(d). Where non-tariff services, information or the beneficial transfer of assets of a type or providing a functionality that would be provided to a section 272(a) affiliate but whose usage by one or



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more nonaffiliated providers of interexchange services is not sufficient to satisfy the Prevailing Company Pricing threshold set out at 47 CFR 32.27(d), for purposes of imputation the fair market value or the fully-distributed cost, whichever is greater, shall be used. The fair market value of such services shall be determined by a survey of prices of comparable services being offered on a stand-alone basis by firms ordinarily in the business of providing such services,

- (5) Non-tariff functionality or the beneficial transfer of information or assets not offered or available to nonaffiliated entities. Where the production of long distance services on an integrated basis by a dominant local exchange service provider involves the use of non-tariff services, functionality, information, or the beneficial transfer of assets of a type or providing a functionality that would be provided to a section 272(a) affiliate but which is not required to be offered to nonaffiliated providers of interexchange services, imputation shall be based upon the fair market value or the fully-distributed cost, whichever is greater, of such service, functionality, information, or the beneficial transfer of assets, including in particular the fair market value of any customer proprietary network information that is used or referenced during the course of marketing, selling, or furnishing the long distance service. The fair market value of such services or functionality, including any customer proprietary network information, shall be based upon the cost that a provider of interexchange services that is not affiliated with a dominant incumbent local exchange carrier would reasonably incur in order to obtain or to self-provide such services, functionality and/or information.
- (c) Common Overhead costs shall be imputed to long distance services furnished by a dominant provider of local exchange service on the basis of fully distributed cost.

#### 3. Service-specific imputation required

- (a) A dominant provider of local exchange services that is required to impute costs to its long distance services pursuant to these rules must satisfy such imputation requirements separately with respect to each of its retail long distance services.
- (b) Where such long distance service is included within any bundled offering that also includes any dominant local exchange services or service elements, the price of such long distance service to which the imputation requirement is to apply shall be determined by subtracting the retail price(s) of all component(s) of the bundle other than long distance from the total retail price of the bundle.



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(c) Any bundle consisting of basic local exchange (dial tone) service, local calling, vertical features, intraLATA and interLATA toll, and any other components or features must be priced, in the aggregate, at a level sufficient to recover the aggregate of all tariff prices of all tariff services (or their functional equivalents) included within the bundle together with all other imputed and directly-assigned costs applicable to the bundled offering.

#### 4. Allocation of costs for upgrades or replacements

- (a) All investments in plant, facilities or equipment that will be jointly used by regulated and nonregulated services within five years of the date of acquisition and installation of that plant shall be presumed to be acquired primarily for the benefit of the nonregulated services, absent a showing to the contrary.
- (b) At a minimum, any increase in net investment for the replacement assets over the remaining net book cost of the plant being replaced shall be allocated to and imputed into the price floor applicable to the nonregulated service.

#### 5. Cross-subsidization prohibited

- (a) In no event shall a dominant provider of local exchange service that also provides long distance services and that has elected to operate on an integrated basis rather than providing its competitive long distance services through a separate affiliate engage in actions that constitute a cross-subsidization of its competitive long distance services from its regulated services.
- (b) For purposes of this rule, "cross-subsidization" shall be deemed to occur when in-region long distance services or nonregulated services, or telecommunications services that are treated as nonregulated services under these rules, are priced below cost by use of subsidization from customers of regulated services; or when a provider's in-region long distance services or non-regulated services derive benefits from the regulated operations without the regulated operations receiving just and reasonable compensation from in-region long distance services or nonregulated operations for the benefits derived by such in-region long distance services or nonregulated operations.



#### Attachment 1

Regression Output

Analysis of Verizon and SBC Long Distance Market Share
by State by Length of Time Since 271 Approval

SHAZAM OUTPUT Page 1 of 3

#### SHAZAM OUTPUT

```
-----7d430c14901dc
Content-Disposition: form-data; name="IX"; filename="\\Etinet\vol1\ETI\AT&T\NonDom\
FILE UPLOAD (120 CHARS MAX) FOR:regression(mktsh)2.csv
Content-Type: application/octet-stream
Hello/Bonjour/Aloha/Howdy/G Day/Kia Ora/Konnichiwa/Buenos Dias/Nee Hau/Ciao
Welcome to SHAZAM - Version 9.0 - OCT 2003 SYSTEM=LINUX PAR=
| SAMPLE 1 35,,,
| READ state mktshr months comp,,,
  4 VARIABLES AND 35 OBSERVATIONS STARTING AT OBS
                                                          1
| STAT state mktshr months comp / pcor pcov,,,
                                                MINIMUM
                                                             MAXIMUM
      N MEAN ST. DEV VARIANCE
NAME
                                                  1.0000
                                                              17.000
STATE
          35 0.28985
35 0.28985
          35 8.4571
                          5.4683
                                     29.903
                         MKTSHR

    35
    16.956
    11.014
    121.32
    2.0000
    47.267

    35
    0.25714
    0.44344
    0.19664
    0.0000
    1.0000

          35 16.956
MONTHS
COMP
CORRELATION MATRIX OF VARIABLES -
                                   35 OBSERVATIONS
         1.0000
STATE
MKTSHR 0.44149E-01 1.0000
MONTHS
        -0.85538E-01 0.94997
                                1.0000
                                             1.00000
COMP
         0.81127 0.38344
                               0.21916
                                 MONTHS
            STATE MKTSHR
                                                COMP
                                   35 OBSERVATIONS
COVARIANCE MATRIX OF VARIABLES -
STATE
         29.903
MKTSHR 0.37005E-01 0.23495E-01
MONTHS -5.1519 1.6038 121.32
         1.9672
                     0.26063E-01 1.0704
                                            0.19664
COMP
                                  MONTHS
                                               COMP
           STATE
                       MKTSHR
| OLS mktshr months / auxrsqr rstat dwpvalue,,,
REQUIRED MEMORY IS PAR=
                         13 CURRENT PAR=
                                             781
OLS ESTIMATION
      35 OBSERVATIONS DEPENDENT VARIABLE = MKTSHR
...NOTE..SAMPLE RANGE SET TO: 1,
DURBIN-WATSON STATISTIC = 1.38109
DURBIN-WATSON POSITIVE AUTOCORRELATION TEST P-VALUE = 0.023734
            NEGATIVE AUTOCORRELATION TEST P-VALUE = 0.976266
R-SQUARE OF MONTHS ON OTHER INDEPENDENT VARIABLES = 0.0000
R-SQUARE OF CONSTANT ON OTHER INDEPENDENT VARIABLES = 0.0000
                      R-SQUARE ADJUSTED =
            0.9024
VARIANCE OF THE ESTIMATE-SIGMA**2 = 0.23617E-02
STANDARD ERROR OF THE ESTIMATE-SIGMA = 0.48598E-01
SUM OF SQUARED ERRORS-SSE= 0.77937E-01
MEAN OF DEPENDENT VARIABLE = 0.28985
LOG OF THE LIKELIHOOD FUNCTION = 57.2132
MODEL SELECTION TESTS - SEE JUDGE ET AL. (1985, P.242)
```

```
AKAIKE (1969) FINAL PREDICTION ERROR - FPE =
                                                         0.24967E-02
     (FPE IS ALSO KNOWN AS AMEMIYA PREDICTION CRITERION - PC)
 AKAIKE (1973) INFORMATION CRITERION - LOG AIC = -5.9929
 SCHWARZ (1978) CRITERION - LOG SC =
                                                         -5.9040
MODEL SELECTION TESTS - SEE RAMANATHAN (1998, P. 165)
 CRAVEN-WAHBA (1979)
     GENERALIZED CROSS VALIDATION - GCV =
                                                         0.25049E-02
 HANNAN AND QUINN (1979) CRITERION =
                                                          0.25742E-02
 RICE (1984) CRITERION =
                                                         0.25141E-02
 SHIBATA (1981) CRITERION =
                                                          0.24813E-02
 SCHWARZ (1978) CRITERION - SC =
                                                         0.27284E-02
 AKAIKE (1974) INFORMATION CRITERION - AIC =
                        ANALYSIS OF VARIANCE - FROM MEAN
                        SS DF
                                                      MS
REGRESSION
                 0.72089
                                      1.
                                                0.72089
                                                                           305.239
                                    1.
33.
34.
                  0.77937E-01
0.79883
ERROR
                                                 0.23617E-02
                                                                           P-VALUE
LATOT
                                                 0.23495E-01
                                                                            0.000
                        ANALYSIS OF VARIANCE - FROM ZERO
                        SS DF MS 614 2. 1.8307
REGRESSION
                 3.6614 2. 1.8307
0.77937E-01 33. 0.23617E-02
3.7393 35. 0.10684
                                                                           775.147
ERROR
                                                                           P-VALUE
TOTAL
                                                                             0.000

        VARIABLE
        ESTIMATED
        STANDARD
        T-RATIO
        PARTIAL
        STANDARDIZED
        ELASTICITY

        NAME
        COEFFICIENT
        ERROR
        33 DF
        P-VALUE CORR. COEFFICIENT
        AT MEANS

        MONTHS
        0.13220E-01
        0.7567E-03
        17.47
        0.000
        0.950
        0.9500
        0.7734

        CONSTANT
        0.65687E-01
        0.1523E-01
        4.312
        0.000
        0.600
        0.0000
        0.2266

                                                       PARTIAL STANDARDIZED ELASTICITY
                            VON NEUMANN RATIO = 1.4217 RHO = 0.25466
DURBIN-WATSON = 1.3811
RESIDUAL SUM = -0.83267E-16 RESIDUAL VARIANCE = 0.23617E-02
SUM OF ABSOLUTE ERRORS= 1.3070
R-SQUARE BETWEEN OBSERVED AND PREDICTED = 0.9024
RUNS TEST: 16 RUNS, 15 POS, 0 ZERO, 20 NEG NORMAL STATISTIC = -0.7511
COEFFICIENT OF SKEWNESS = 0.5910 WITH STANDARD DEVIATION OF 0.3977
COEFFICIENT OF EXCESS KURTOSIS = 0.1949 WITH STANDARD DEVIATION OF 0.7778
JAROUE-BERA NORMALITY TEST- CHI-SOUARE(2 DF)=
                                                         1.8644 P-VALUE= 0.394
     GOODNESS OF FIT TEST FOR NORMALITY OF RESIDUALS - 6 GROUPS
OBSERVED 0.0 5.0 15.0 10.0 4.0 1.0
EXPECTED 0.8 4.8 11.9 11.9 4.8 0.8
CHI-SOUARE = 2.0798 WITH 2 DEGREES OF FREEDOM, P-VALUE= 0.353
OLS mktshr months comp / auxrsqr rstat dwpvalue,,,
REQUIRED MEMORY IS PAR=
                               13 CURRENT PAR=
                                                         781
 OLS ESTIMATION
        35 OBSERVATIONS DEPENDENT VARIABLE= MKTSHR
...NOTE..SAMPLE RANGE SET TO:
                                        1,
DURBIN-WATSON STATISTIC = 1.90484
DURBIN-WATSON POSITIVE AUTOCORRELATION TEST P-VALUE =
                                                               0.301984
               NEGATIVE AUTOCORRELATION TEST P-VALUE = 0.698016
R-SQUARE OF MONTHS ON OTHER INDEPENDENT VARIABLES = 0.0480
R-SQUARE OF COMP ON OTHER INDEPENDENT VARIABLES = 0.0480
R-SQUARE OF CONSTANT ON OTHER INDEPENDENT VARIABLES = 0.0000
```

```
R-SQUARE = 0.9347 R-SQUARE ADJUSTED = 0.9306
VARIANCE OF THE ESTIMATE-SIGMA**2 = 0.16302E-02
STANDARD ERROR OF THE ESTIMATE-SIGMA = 0.40376E-01
SUM OF SQUARED ERRORS-SSE= 0.52166E-01
MEAN OF DEPENDENT VARIABLE = 0.28985
LOG OF THE LIKELIHOOD FUNCTION = 64.2390
MODEL SELECTION TESTS - SEE JUDGE ET AL. (1985, P. 242)
AKAIKE (1969) FINAL PREDICTION ERROR - FPE = 0.17699E-02
    (FPE IS ALSO KNOWN AS AMEMIYA PREDICTION CRITERION - PC)
AKAIKE (1973) INFORMATION CRITERION - LOG AIC = -6.3372
SCHWARZ (1978) CRITERION - LOG SC =
MODEL SELECTION TESTS - SEE RAMANATHAN (1998, P. 165)
CRAVEN-WAHBA (1979)
   GENERALIZED CROSS VALIDATION - GCV =
                                              0.17830E-02
HANNAN AND QUINN (1979) CRITERION =
                                              0.18525E-02
RICE (1984) CRITERION =
                                              0.17988E-02
SHIBATA (1981) CRITERION =
                                             0.17460E-02
SCHWARZ (1978) CRITERION - SC =
                                              0.20215E-02
AKAIKE (1974) INFORMATION CRITERION - AIC =
                                            0.17692E-02
                   ANALYSIS OF VARIANCE - FROM MEAN
                   SS DF
                                          MS
                                                             F
                                      0.37333
REGRESSION
               0.74666
                             2.
                                                          229.012
                             32. 0.16302E-02
               0.52166E-01
0.79883
                                                          P-VALUE
ERROR
TOTAL
                             34.
                                      0.23495E-01
                                                             0.000
                   ANALYSIS OF VARIANCE - FROM ZERO
                   ss DF
871 3.
                                          MS
                                                             F
REGRESSION
                3.6871
                                       1.2290
                                                           753.934
               3.6871 3. 1.2290
0.52166E-01 32. 0.16302E-02
3.7393 35. 0.10684
ERROR
                                                          P-VALUE
TOTAL
                                                             0.000
VARIABLE ESTIMATED STANDARD T-RATIO
                                           PARTIAL STANDARDIZED ELASTICITY
 NAME COEFFICIENT ERROR 32 DF P-VALUE CORR. COEFFICIENT AT MEANS
                                      0.000 0.961 0.9096 0.7405
      0.12659E-01 0.6443E-03 19.65
MONTHS
         0.63633E-01 0.1600E-01 3.976
                                        0.000 0.575
COMP
                                                        0.1841
                                                                  0.0565
CONSTANT 0.58845E-01 0.1277E-01 4.607
                                        0.000 0.631
                                                        0.0000
RESIDUAL SUM = 0.13878E-16 RESIDUAL VARIANCE = 0.16302E-02
SUM OF ABSOLUTE ERRORS= 1.1193
R-SOUARE BETWEEN OBSERVED AND PREDICTED = 0.9347
RUNS TEST: 16 RUNS, 18 POS, 0 ZERO, 17 NEG NORMAL STATISTIC = -0.8537
COEFFICIENT OF SKEWNESS = 0.4323 WITH STANDARD DEVIATION OF 0.3977
COEFFICIENT OF EXCESS KURTOSIS = -0.5434 WITH STANDARD DEVIATION OF 0.7778
JAROUE-BERA NORMALITY TEST- CHI-SOUARE (2 DF) =
                                             1.5863 P-VALUE= 0.452
    GOODNESS OF FIT TEST FOR NORMALITY OF RESIDUALS - 6 GROUPS
OBSERVED 0.0 7.0 10.0 11.0 6.0 1.0
EXPECTED 0.8 4.8 11.9 11.9 4.8 0.8
CHI-SQUARE = 2.6241 WITH 1 DEGREES OF FREEDOM, P-VALUE = 0.105
| stop,,,
```



7 May 2004

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### **US Wireline Services**

US Wireline 1Q04 Round-Up

Reason for Report: Industry Update



Table 7: Long Distance Net Adds per Quarter									
(000s)	1Q02	2Q02	3Q02	4Q02	1Q03	2Q03	3Q03	4Q03	1Q04
BellSouth	n/a	147,000	269,000	586,000	928,000	856,000	654,000	520,000	636,000
Qwest	nva	n/a	n/a	n/a	530,000	590,000	572,000	600,000	1,200,000
SBC	451,000	266,000	318,000	181,000	1,483,000	2,300,000	1,700,000	2,900,000	2,568,000
Verizon Comm.	800,000	791,000	804,000	566,000	710,000	1,415,000	1,294,000	736,000	1,007,000
Total	1,251,000	1,204,000	1,391,000	1,333,000	3,651,000	5,161,000	4,220,000	4,756,000	5,411,000

Source: Merri# Lynch research estimates and Company data.

## n-Stat MDR

# Hear This: Broadband IP Telephony

May 2004

#### **Daryl Schoolar**

Service Provider Markets dschoolar@reedbusiness.com (480) 609-4516

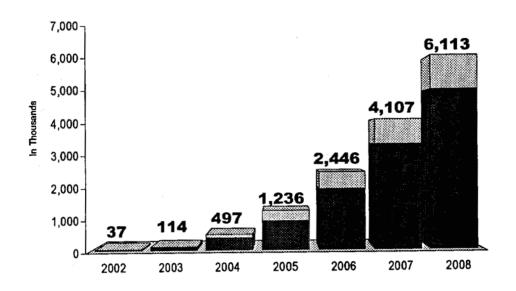
Report No.: IN0401336TX

#### In-Stat / MDR

6909 E. Greenway Parkway, Ste. 250 • Scottsdale, AZ 85254
1101 S. Winchester Blvd., Bldg N • San Jose, CA 95128
275 Washington St. • Newton, MA 02458
Sales/Customer Service • 480-483-4441 or 480-609-4540

www.instat.com • info@instat.com

Figure 6. US Broadband IP Telephony Subscribers (in Thousands), 2002 - 2008



■ Hosted/Application 

Packet Cable

Source: In-Stat/MDR, 4/04

Table 5. US Broadband IP Telephony Subscribers (in Thousands), 2002 - 2008

Subscribers in (k) 2 Total	002 2003 37 114	2004 497	2005 1.236	2006 2.446	2007 4.107	2008 CAGR 6,113 134.2%
% Growth	208.1%	336.0% 387	148.7%	97.9% 1.909	67.9% 3.328	48.8% 5.068 130.3%
% Growth	194.1%	287.0%	139.5%	105.9%	74.3% 779	52.3% 1 045 165 3%
Packet Cable  % Growth	3 14 366.7%	685.7%	180.9%	73.8%	45.1%	34.1%

Source: In-Stat/MDR, 04/2004

## REDACTED FOR PUBLIC INSPECTION ANALYSIS OF BOC LONG DISTANCE MARKET SHARE DATA

-	Total CLEC lines	Percent of CLEC lines provided to Residential and Small Business customers	Estimate of Residential and Small Business Lines	
	a	ь	c=a*b	
AL AK	234,330	38.00%	89,045	
AZ AR	519,128	60.00%	311,477	
CA	3,046,959	65.00%	1,980,523	
CO	495,007	64.00%	316,804	
CT	234,372	52.00%	121,873	
DE	53,473	88.00%	47,056	
DC .	174,584	29.00%	50,629	
FL	1,537,632	46.00%	707,311	
ga Hi	827,841	58.00%	480,148	
ID	33,864	93.00%	31,494	
IL	1,616,7 <b>6</b> 5	76.00%	1,228,741	
IN	348,159	62.00%	215,859	
IA I	195,860	86.00%	168,440	
KS	318,862	54.00%	172,185	
KY	97,288	57.00%	55,454	
LA	212,363	62.00%	131,665	
ME	70,275	66.00%	46,382	
MD	379,961	62.00%	235,576	
MA MI	846,276	58.00%	490,840	
MN	1,384,973 534,965	81.00% 58.00%	1,121,828	
MS	93,912	79.00%	310,280	
MO	334,319	49.00%	74,190 163,816	
MT	17,473	74.00%	12,930	
NE	190,754	68.00%	129,713	
NV	132,684	30.00%	39,805	
NH	136,510	63.00%	86,001	
NJ	1,009,996	66.00%	666,597	
NM	.,,			
NY	3,478,918	68.00%	2,365,664	
NC	443,600	29.00%	128,644	
ND				
ОН	754,020	67.00%	505,193	
ОК	217,854	56.00%	121,998	
OR	167,965	70.00%	117,576	
PA PR	1,413,458	53.00%	749,133	
RI	167,714	75.00%	125,786	
SC	192,934	43.00%	82,962	
SD	49,243	95.00%	46,781	
TN	346,060	36.00%	124,582	
TX	2,266,028	61.00%	1,382,277	
VT VT	235,170	57.00%	134,047	
VI VA	738,479	74.00%	EAR A74	
WA	386,104	48.00%	546,474 185 330	
WV	•		185,330	
WI WY	526,343	59.00%	310,542	

Source: FCC, IATD, Local Competition Report: Status as of June 30, 2003, released December, 2003. Column a from Table 10, Column b from Table 11. Note that this report will soon be updated, at which point AT&T anticipates filing an update to this data.